



Amendments to the Claims

The listing of claims will replace all prior versions, and listings of claims in the application.

1. (currently amended) A method of defining and collecting data in an information management system, comprising:

creating ~~[[an]]~~ a plurality of information collection ~~structure~~ structures to produce a representation of a shared database;

receiving a read request or a write request from a user interface; and

accessing said representation to execute said read request or said write request without having to access said shared database,

wherein the plurality of information collection structures comprises a presentation object and a service object, wherein the service object customizes information in the shared database and the presentation object customizes display of the information.

2. (currently amended) The method according to claim 1, further comprising:

creating a plurality of representations of said shared database from said information collection ~~structure~~ structures.

3. (currently amended) The method according to claim 2, further comprising:

customizing each of said plurality of representations to a specific user group without altering ~~the~~ a physical structure of said shared database.

4. (currently amended) The method according to claim 3, wherein said customizing step comprises:

collecting a new type of data currently defined within said shared database.

5. (currently amended) The method according to claim 3, wherein said customizing step comprises:

collecting a new type of data not currently defined within said shared database.

6. (currently amended) The method according to claim 3, wherein said customizing step comprises:

providing metadata from said information collection ~~structure~~ structures to customize a view of said database.

7. (currently amended) The method according to claim 1, wherein said creating step comprises:

providing metadata to transpose said representation to said shared database and said user interface.

8. (original) The method according to claim 1, wherein said creating step comprises:

providing metadata to manage general entities.

9. (currently amended) The method according to claim 1, wherein said creating step comprises:

providing a plurality of generic objects for said information collection structure, wherein each of said generic objects includes ~~one or more~~ the presentation ~~objects~~ object.

10. (currently amended) The method according to claim 9, wherein said creating step further comprises:

defining a unique object name space for each of said generic objects, said unique object name space having a unique name for a unique combination of a presentation object with a data source from said shared database.

11. (currently amended) A method of defining and collecting data in an information management system, comprising:

creating ~~[[an]]~~ information collection ~~structure~~ structures to manage a database at a logical level;

receiving a request from a user interface for a customized view of said database; and

producing said customized view without altering ~~the~~ a physical structure of said database,

wherein the information collection structures comprise a presentation object and a service object, wherein the service object customizes information in the shared database and the presentation object customizes display of the information.

12. (currently amended) An information management system, comprising:

a database comprising a plurality of integrated records;

~~[[an]]~~ a plurality of information collection ~~structure~~ structures for producing a representation of said database; and

a user-interface for enabling submission of a read request or a write request to said representation, wherein said information collection ~~structure~~ structures ~~executes~~ execute said read request or said write request without having to access said integrated records,

wherein the plurality of information collection structures comprises a presentation object and a service object, wherein the service object customizes information in the shared database and the presentation object customizes display of the information.

13. (currently amended) The system of claim 12, wherein said information collection ~~structure produces~~ structures produce a plurality of representations of said database, wherein each of said plurality of representations is customized for a specific user group without altering ~~the~~ a physical structure of said database.

14. (currently amended) The system of claim 12, wherein said information collection ~~structure comprises~~ structures comprise a generic object or a generalized algorithm.

15. (original) The system of claim 14, wherein said database drives said generic object or said generalized algorithm to support said read request or said write request.

16. (original) The system of claim 14, wherein an XML template drives said generic object or said generalized algorithm to support said read request or said write request.

17. (original) The system of claim 14, wherein said user interface comprises a template associated with said generic object or said generalized algorithm.

18. (original) The system of claim 12, wherein said user interface is script driven.

19. (currently amended) The system of claim 12, wherein said information collection ~~structure comprises~~ structures comprise a plurality of generic objects, wherein each of said plurality of generic objects includes one or more presentation objects.

20. (currently amended) The system of claim 19, wherein each of said plurality of generic objects is associated with a unique object name for a unique combination of ~~[[a]]~~ the presentation object with a data source from said database.

21. (original) The system of claim 12, wherein said integrated records comprise clinical research information.

22. (original) The system of claim 12, wherein said integrated records comprise at least one of patient information, protocol information, therapy information, and clinical results.

23. (original) The system of claim 12, further comprising:
a security mechanism for controlling access to said database.

24. (currently amended) The system of claim 12, further comprising:
a security mechanism for controlling access to said information collection ~~structure~~ structures.

25. (currently amended) (currently amended) An information management system, comprising:
a database;
a shared application infrastructure for structuring said database at a logical level using a service object; and
a user-interface for presenting data from said database, wherein said shared application infrastructure produces a customized view of said database using a presentation object.

26. (currently amended) A method of defining and collecting clinical research information in an information management system, comprising:
creating ~~[[an]]~~ a plurality of information collection ~~structure~~ structures to produce a representation of a shared database;
receiving a read request or a write request for clinical research information from a user interface; and
accessing said representation to execute said read request or said write request without having to access said shared database,
wherein the plurality of information collection structures comprises a presentation object and a service object, wherein the service object customizes

information in the shared database and the presentation object customizes display of the information.